

In the Drawings

In the Drawings, please replace informal FIGURES 1-12 with proposed amended FIGURES 1-12.

In the Claims

Please cancel Claims 1-50.

Please add the following new Claims 51-90:

1 51. (New) A lead-acid cell comprising a container, a positive plate and a
2 negative plate disposed within the container, a separator disposed within the container and
3 separating the positive and negative plates, the positive plate comprising a grid supporting
4 structure having a layer of active material pasted thereto, the grid supporting structure
5 comprising: an alloy consisting essentially of lead, tin in an amount greater than about 0.5
6 percent, calcium in an amount such that the ratio of tin to calcium is greater than about 12:1,
7 and silver in the range of about 0.0005 percent to about 0.012 percent, the percentages being
8 based upon the total weight of the alloy.

↑ only difference

1 52. (New) The cell of Claim 51 wherein the tin content of the alloy is in the
2 range of greater than about 0.5 percent to less than about 1.2 percent.

1 53. (New) The cell of Claim 51 wherein the tin content of the alloy is in the
2 range of about 0.6 percent to less than about 1.2 percent.

1 54. (New) The cell of Claim 51 wherein the tin content of the alloy is in the
2 range of about 0.8 percent to about 1.1 percent.

1 55. (New) The cell of Claim 51 wherein the silver content of the alloy is in
2 the range of greater than about 0.005 percent to about 0.012 percent.

1 56. (New) The cell of Claim 51 wherein the silver content of the alloy is in
2 the range of about 0.005 percent to about 0.012 percent.

1 57. (New) The cell of Claim 51 wherein the silver content of the alloy is in
2 the range of about 0.0005 percent to about 0.01 percent.

1 58. (New) The cell of Claim 51 wherein the amount of calcium in the alloy
2 is such that the ratio of tin to calcium is not less than 15:1.

1 59. (New) The cell of Claim 51 wherein the amount of calcium in the alloy
2 is such that the ratio of tin to calcium is not less than 20:1.

1 60. (New) The cell of Claim 51 wherein calcium is present in the alloy in the
2 range of about 0.03 percent to about 0.055 percent and the ratio of tin to calcium is not less
3 than 15:1.

1 61. (New) The cell of Claim 51 wherein calcium is present in the alloy in the
2 range of about 0.03 percent to about 0.055 percent and the ratio of tin to calcium is not less
3 than 20:1.

1 62. (New) The cell of Claim 51 wherein the alloy further includes aluminum
2 in the range of greater than 0 to about 0.03 percent.

1 63. (New) The cell of Claim 51 wherein the alloy further includes aluminum
2 in the range of about 0.012 percent to about 0.020 percent.

64. (New) A grid supporting structure for use in a lead-acid battery having a positive plate and a negative plate disposed within a container, the grid supporting structure comprising: an alloy consisting essentially of lead, tin in an amount greater than about 0.5 percent, calcium in an amount such that the ratio of tin to calcium is greater than about 12:1, and silver in the range of [about 0.0005 percent to about 0.012 percent] the percentages being based upon the total weight of the alloy.

only difference

65. (New) The grid supporting structure of Claim 62 wherein the tin content of the alloy is in the range of greater than about 0.5 percent to less than about 1.2 percent.

66. (New) The grid supporting structure of Claim 62 wherein the tin content of the alloy is in the range of about 0.6 percent to less than about 1.2 percent.

67. (New) The grid supporting structure of Claim 62 wherein the tin content of the alloy is in the range of about 0.8 percent about 1.1 percent.

not further limiting → 68. (New) The grid supporting structure of Claim 62 wherein the silver content of the alloy is in the range of greater than about 0.0005% to about 0.012 percent.

69. (New) The grid supporting structure of Claim 62 wherein the silver content of the alloy is in the range of about 0.005 percent to about 0.012 percent.

70. (New) The grid supporting structure of Claim 62 wherein the silver content of the alloy is in the range of about 0.0005 percent to about 0.01 percent.

71. (New) The grid support structure of Claim 62 wherein the amount of calcium in the alloy is such that the ratio of tin to calcium is not less than 15:1.

72. (New) The grid supporting structure of Claim 62 wherein the amount of calcium in the alloy is such that the ratio of tin to calcium is not less than 20:1.

1 73. (New) The grid supporting structure of Claim 62 wherein calcium is
2 present in the alloy in the range of about 0.03 percent to about 0.055 percent and the ratio of
3 tin to calcium is not less than 15:1.

1 74. (New) The grid supporting structure of Claim 62 wherein calcium is
2 present in the alloy in the range of about 0.03 percent to about 0.055 percent and the ratio of
3 tin to calcium is not less than 20:1.

1 75. (New) The grid supporting structure of Claim 62 wherein the alloy
2 further includes aluminum in the range of greater than 0 to about 0.03 percent.

1 76. (New) The grid supporting structure of Claim 62 wherein the alloy
2 further includes aluminum in the range of about 0.012 percent to about 0.020 percent.

1 77. (New) The grid supporting structure of Claim 62 wherein the positive
2 and negative plates are configured to be separated by a separator.

1 78. (New) A lead-acid battery of a type having a positive plate and a
2 negative plate disposed within a container and a separator disposed within the container and
3 separating the positive and negative plates comprising a grid supporting structure comprising
4 an alloy consisting essentially of lead, tin in an amount greater than about 0.5 percent, calcium
5 in an amount such that the ratio of tin to calcium is greater than about 12:1, and silver in the
6 range of about 0.0005 percent to about 0.012 percent, the percentages being based upon the
7 total weight of the alloy.

1 79. (New) The lead-acid battery of Claim 26 wherein the tin content of the
2 alloy is in the range of greater than about 0.5 percent to less than about 1.2 percent.

1 80. (New) The lead-acid battery of Claim 77 wherein the tin content of the
2 alloy is in the range of about 0.6 percent to less than about 1.2 percent.

1 81. (New) The lead-acid battery of Claim 77 wherein the tin content of the
2 alloy is in the range of about 0.8 percent about 1.1 percent.

1 *not density* 82. (New) The lead-acid battery of Claim 77 wherein the silver content of
2 the alloy is in the range of greater than about 0.0005% to about 0.012 percent.

1 83. (New) The lead-acid battery of Claim 77 wherein the silver content of
2 the alloy is in the range of about 0.005 percent to about 0.012 percent.

1 84. (New) The lead-acid battery of Claim 77 wherein the silver content of
2 the alloy is in the range of about 0.0005 percent to about 0.01 percent.

1 85. (New) The lead-acid battery of Claim 77 wherein the amount of calcium
2 in the alloy is such that the ratio of tin to calcium is not less than 15:1.

1 86. (New) The lead-acid battery of Claim 77 wherein the amount of calcium
2 in the alloy is such that the ratio of tin to calcium is not less than 20:1.

1 87. (New) The lead-acid battery of Claim 77 wherein calcium is present in
2 the alloy in the range of about 0.03 percent to about 0.055 percent and the ratio of tin to
3 calcium is not less than 15:1.

1 88. (New) The lead-acid battery of Claim 77 wherein calcium is present in
2 the alloy in the range of about 0.03 percent to about 0.055 percent and the ratio of tin to
3 calcium is not less than 20:1.

1 89. (New) The lead-acid battery of Claim 77 wherein the alloy further
2 includes aluminum in the range of greater than 0 to about 0.03 percent.

1 90. (New) The lead-acid battery of Claim 77 wherein the alloy further
2 includes aluminum in the range of about 0.012 percent to about 0.020 percent.